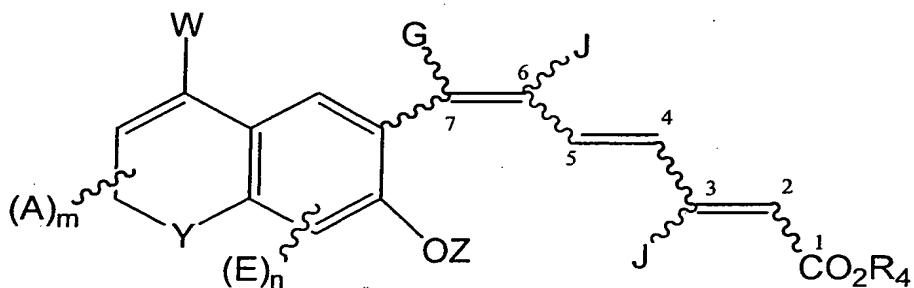


## WHAT IS CLAIMED IS:

1. A compound of the formula



wherein **A** is independently an alkyl group of 1 to 6 carbons, halogen, or alkoxy of 1 to 6 carbons;

**m** is an integer having the values of 0 to 3;

**W** is H, alkyl of 1 to 8 carbons or phenyl;

**E** is independently an alkyl group of 1 to 6 carbons, halogen, or alkoxy of 1 to 6 carbons;

**n** is an integer having the values of 0 to 2;

**Z** is an alkyl group of 1 to 8 carbons;

**G** is H or an alkyl group of 1 to 8 carbons;

**J** is independently H, halogen, or alkyl of 1 to 6 carbons;

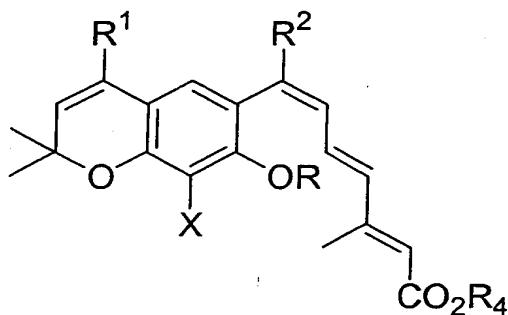
**Y** is O, or  $[C(R_3)_2]_o$  where **R**<sub>3</sub> independently is H or alkyl of 1 to 6 carbons and **o** is an integer having the value of zero (0) or one (1), and **R**<sub>4</sub> is H, alkyl of 1 to 6 carbons,  $CH_2OR_5$  or  $CH_2OCOR_5$  where **R**<sub>5</sub> is alkyl of 1 to 3 carbons, or a pharmaceutically acceptable salt of said compound.

2. A compound in accordance with Claim 1 where **Y** is O.

3. A compound in accordance with Claim 2 where  $(A)_m$  represents a geminal dimethyl group in the 2 position of the chromene nucleus.

4. A compound in accordance with Claim 1 where **Y** is  $[C(R_3)_2]_o$ .

5. A compound in accordance with Claim 4 where **Y** is  $C(CH_3)_2$ .
6. A compound in accordance with Claim 5 where **m** is zero (0).
7. A compound in accordance with Claim 1 where **n** is one (1) and **E** is Cl or Br.
8. A compound in accordance with Claim 1 where **W** is alkyl of 1 to 4 carbons.
9. A compound in accordance with Claim 8 where **W** is *iso*-propyl or *tertiary*-butyl.
10. A compound in accordance with Claim 1 where **Z** is alkyl of 1 to 4 carbons.
11. A compound in accordance with Claim 1 where **J** is independently F or alkyl of 1 to 2 carbons.
12. A compound of the formula



wherein **R** is alkyl of 1 to 8 carbons;

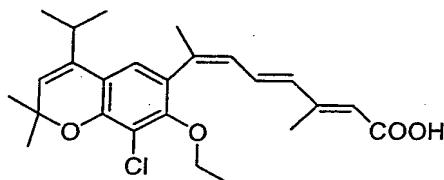
**R**<sup>1</sup> is alkyl of 1 to 8 carbons;

**R**<sup>2</sup> is alkyl of 1 to 8 carbons;

**R**<sub>4</sub> is H, alkyl of 1 to 6 carbons,  $CH_2OR_5$  or  $CH_2OCOR_5$  where **R**<sub>5</sub> is alkyl of 1 to 3 carbons, and

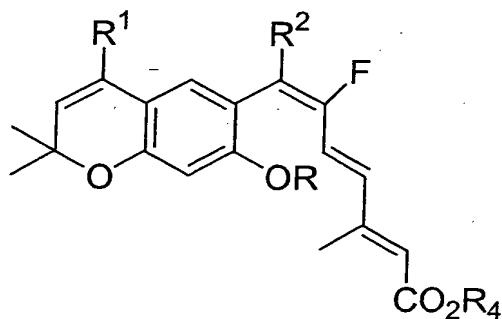
$X$  is H or halogen, or a pharmaceutically acceptable salt of said compound.

13. A compound in accordance with Claim 12 wherein  $R$  is methyl or ethyl.
14. A compound in accordance with Claim 12 wherein  $R^1$  is alkyl of 1 to 3 carbons.
15. A compound in accordance with Claim 12 wherein  $R^2$  is methyl or ethyl.
16. A compound in accordance with Claim 12 wherein  $X$  is H or Cl.
17. A compound in accordance with Claim 12 wherein  $R_4$  is H or a pharmaceutically acceptable salt.
18. A compound in accordance with Claim 12 wherein  $R$  is methyl or ethyl,  $R^1$  is alkyl of 1 to 3 carbons,  $R^2$  is methyl or ethyl, and  $X$  is H or Cl.
19. A compound in accordance with Claim 18 wherein  $R_4$  is H or a pharmaceutically acceptable salt.
20. A compound in accordance with Claim 12 that has the formula



or a pharmaceutically acceptable salt of said compound.

21. A compound of the formula



wherein **R** is alkyl of 1 to 8 carbons;

**R**<sup>1</sup> is phenyl, or alkyl of 1 to 8 carbons;

**R**<sup>2</sup> is alkyl of 1 to 8 carbons, and

**R**<sub>4</sub> is H, alkyl of 1 to 6 carbons, CH<sub>2</sub>OR<sub>5</sub> or CH<sub>2</sub>OCOR<sub>5</sub> where R<sub>5</sub> is alkyl of 1 to 3 carbons, or a pharmaceutically acceptable salt of said compound.

22. A compound in accordance with Claim 21 wherein **R** is alkyl of 1 to 4 carbons.

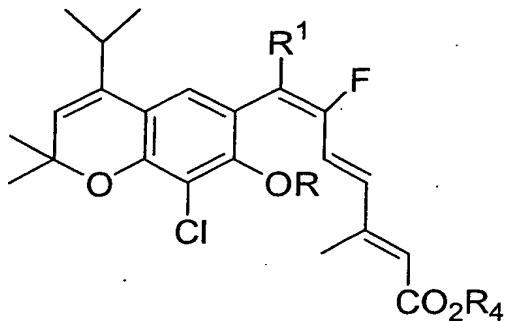
23. A compound in accordance with Claim 21 wherein **R**<sup>1</sup> is alkyl of 1 to 4 carbons.

24. A compound in accordance with Claim 21 wherein **R**<sup>2</sup> is methyl or ethyl.

25. A compound in accordance with Claim 21 wherein **R**<sub>4</sub> is H or a pharmaceutically acceptable salt.

26. A compound in accordance with Claim 21 wherein **R** is alkyl of 1 to 4 carbons, **R**<sup>1</sup> is alkyl of 1 to 4 carbons, and **R**<sup>2</sup> is methyl or ethyl.

27. A compound in accordance with Claim 26 wherein **R**<sub>4</sub> is H or a pharmaceutically acceptable salt.

**28.** A compound of the formula

wherein  $\mathbf{R}$  is alkyl of 1 to 8 carbons;

$\mathbf{R}^1$  is alkyl of 1 to 8 carbons, and

$\mathbf{R}_4$  is H, alkyl of 1 to 6 carbons,  $\text{CH}_2\text{OR}_5$  or  $\text{CH}_2\text{OCOR}_5$  where  $\mathbf{R}_5$  is alkyl of 1 to 3 carbons, or a pharmaceutically acceptable salt of said compound.

**29.** A compound in accordance with Claim 28 wherein  $\mathbf{R}$  is alkyl of 1 to 3 carbons.

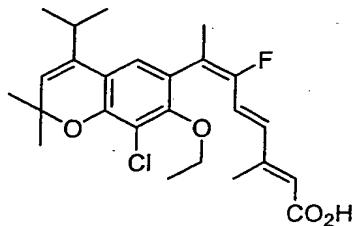
**30.** A compound in accordance with Claim 28 wherein  $\mathbf{R}^1$  is methyl or ethyl.

**31.** A compound in accordance with Claim 28 wherein  $\mathbf{R}_4$  is H or a pharmaceutically acceptable salt.

**32.** A compound in accordance with Claim 28 wherein  $\mathbf{R}$  is alkyl of 1 to 3 carbons and  $\mathbf{R}^1$  is methyl or ethyl.

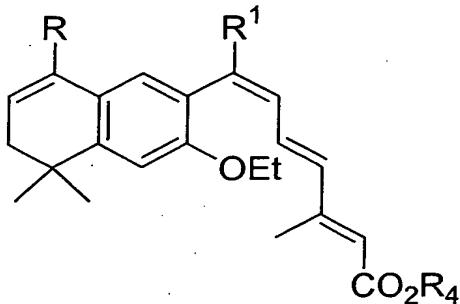
**33.** A compound in accordance with Claim 32 wherein  $\mathbf{R}_4$  is H or a pharmaceutically acceptable salt.

**34.** A compound in accordance with Claim 28 that has the formula



or a pharmaceutically acceptable salt of said compound.

**35. A compound of the formula**



wherein **R** is alkyl of 1 to 8 carbons;

**R**<sup>1</sup> is alkyl of 1 to 8 carbons, and

**R**<sub>4</sub> is H, alkyl of 1 to 6 carbons, CH<sub>2</sub>OR<sub>5</sub> or CH<sub>2</sub>OCOR<sub>5</sub> where **R**<sub>5</sub> is alkyl of 1 to 3 carbons, or a pharmaceutically acceptable salt of said compound.

**36. A compound in accordance with Claim 35 wherein **R** is methyl or ethyl.**

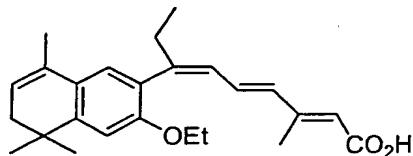
**37. A compound in accordance with Claim 35 wherein **R**<sup>1</sup> is alkyl of 1 to 4 carbons.**

**38. A compound in accordance with Claim 35 wherein **R**<sub>4</sub> is H or a pharmaceutically acceptable salt.**

**39. A compound in accordance with Claim 35 wherein **R** is methyl or ethyl and **R**<sup>1</sup> is alkyl of 1 to 4 carbons.**

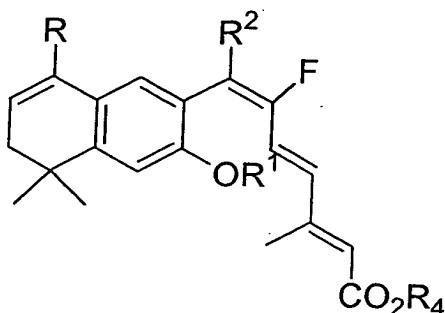
**40. A compound in accordance with Claim 39 wherein **R**<sub>4</sub> is H or a pharmaceutically acceptable salt.**

**41. A compound in accordance with Claim 35 that has the formula**



or a pharmaceutically acceptable salt of said compound.

## 42. A compound of the formula



wherein **R** is H, or alkyl of 1 to 8 carbons;

**R**<sup>1</sup> is alkyl of 1 to 8 carbons;

**R**<sup>2</sup> is alkyl of 1 to 8 carbons, and

**R**<sub>4</sub> is H, alkyl of 1 to 6 carbons, CH<sub>2</sub>OR<sub>5</sub> or CH<sub>2</sub>OCOR<sub>5</sub> where **R**<sub>5</sub> is alkyl of 1 to 3 carbons, or a pharmaceutically acceptable salt of said compound.

43. A compound in accordance with Claim 42 wherein **R** is alkyl of 1 to 4 carbons.

44. A compound in accordance with Claim 42 wherein **R**<sup>1</sup> is alkyl of 1 to 4 carbons.

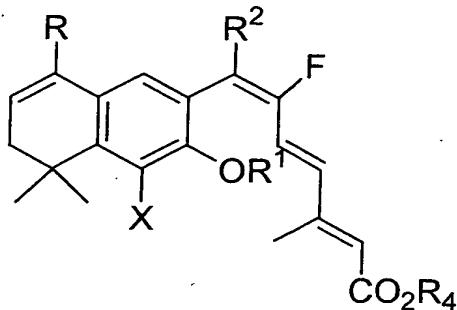
45. A compound in accordance with Claim 42 wherein **R**<sup>2</sup> is methyl or ethyl.

46. A compound in accordance with Claim 42 wherein **R**<sub>4</sub> is H or a pharmaceutically acceptable salt.

47. A compound in accordance with Claim 42 wherein **R** is alkyl of 1 to 4 carbons, **R**<sup>1</sup> is alkyl of 1 to 4 carbons and **R**<sup>2</sup> is methyl or ethyl.

48. A compound in accordance with Claim 47 wherein **R**<sub>4</sub> is H or a pharmaceutically acceptable salt.

49. A compound of the formula



wherein **R** represents alkyl of 1 to 8 carbons;

**R**<sup>1</sup> is alkyl of 1 to 8 carbons;

**R**<sup>2</sup> is alkyl of 1 to 8 carbons;

**X** is halogen, and

**R**<sub>4</sub> is H, alkyl of 1 to 6 carbons, CH<sub>2</sub>OR<sub>5</sub> or CH<sub>2</sub>OCOR<sub>5</sub> where **R**<sub>5</sub> is alkyl of 1 to 3 carbons, or a pharmaceutically acceptable salt of said compound.

**50.** A compound in accordance with Claim 49 wherein **R** is *iso*-propyl or *tertiary*-butyl.

**51.** A compound in accordance with Claim 49 wherein **R**<sup>1</sup> is alkyl of 1 to 4 carbons.

**52.** A compound in accordance with Claim 49 wherein **R**<sup>2</sup> is alkyl of 1 to 4 carbons.

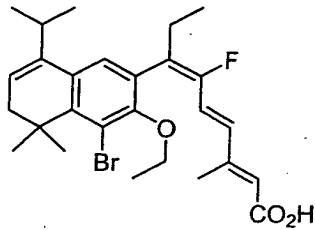
**53.** A compound in accordance with Claim 49 wherein **X** is Br or Cl.

**54.** A compound in accordance with Claim 49 wherein **R**<sub>4</sub> is H or a pharmaceutically acceptable salt.

**55.** A compound in accordance with Claim 49 wherein **R** is *iso*-propyl or *tertiary*-butyl, **R**<sup>1</sup> is alkyl of 1 to 4 carbons, **R**<sup>2</sup> is alkyl of 1 to 4 carbons and **X** is Br or Cl.

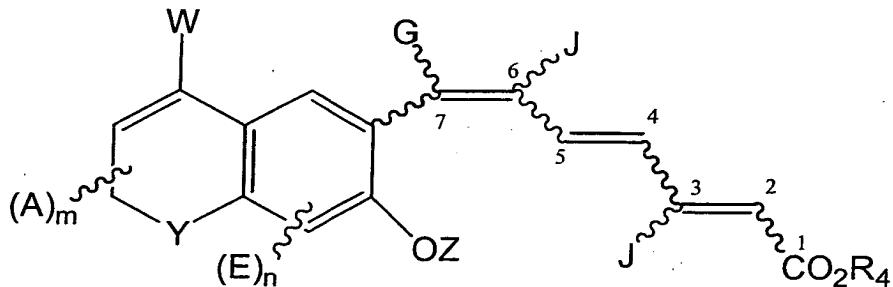
**56.** A compound in accordance with Claim 55 wherein **R**<sub>4</sub> is H or a pharmaceutically acceptable salt.

**57.** A compound in accordance with Claim 49 that has the formula



or a pharmaceutically acceptable salt of said compound.

**58.** A process for administering to a diabetic mammal to reduce the serum glucose level of said mammal a compound of the formula



wherein **A** is independently an alkyl group of 1 to 6 carbons, halogen, or alkoxy of 1 to 6 carbons;

**m** is an integer having the values of 0 to 3;

**W** is H, alkyl of 1 to 8 carbons or phenyl;

**E** is independently an alkyl group of 1 to 6 carbons, halogen, or alkoxy of 1 to 6 carbons;

**n** is an integer having the values of 0 to 2;

**Z** is an alkyl group of 1 to 8 carbons;

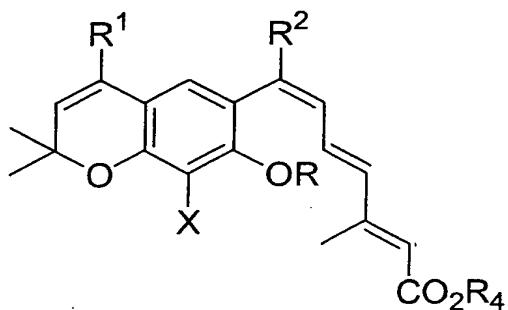
**G** is H or an alkyl group of 1 to 8 carbons;

**J** is independently H, halogen, or alkyl of 1 to 6 carbons;

**Y** is O, or  $[C(R_3)_2]_o$  where **R<sub>3</sub>** independently is H or alkyl of 1 to 6 carbons and **o** is an integer having the value of zero (0) or one (1), and

**R<sub>4</sub>** is H, alkyl of 1 to 6 carbons, CH<sub>2</sub>OR<sub>5</sub> or CH<sub>2</sub>OCOR<sub>5</sub> where **R<sub>5</sub>** is alkyl of 1 to 3 carbons, or a pharmaceutically acceptable salt of said compound.

**59.** A process in accordance with Claim 58 where the compound used in the process is in accordance with the formula



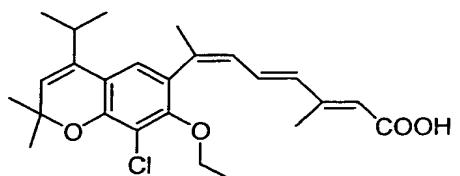
wherein **R** is alkyl of 1 to 8 carbons;

**R¹** is alkyl of 1 to 8 carbons;

**R²** is alkyl of 1 to 8 carbons, and

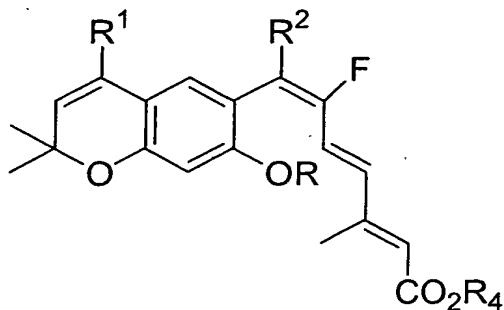
**X** is H or halogen, or a pharmaceutically acceptable salt of said compound.

**60.** A process in accordance with Claim 59 where the compound used in the process has the formula



or a pharmaceutically acceptable salt of said compound.

**61.** A process in accordance with Claim 58 where the compound used in the process is in accordance with the formula

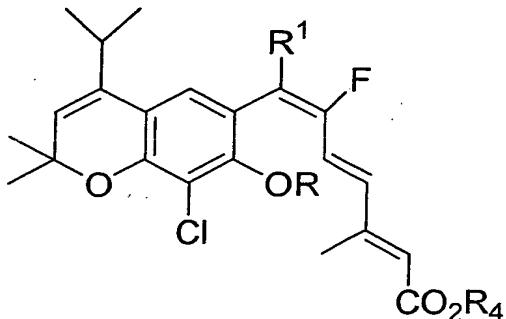


wherein R is alkyl of 1 to 8 carbons;

R<sup>1</sup> is phenyl, or alkyl of 1 to 8 carbons, and

R<sup>2</sup> is alkyl of 1 to 8 carbons or a pharmaceutically acceptable salt of said compound.

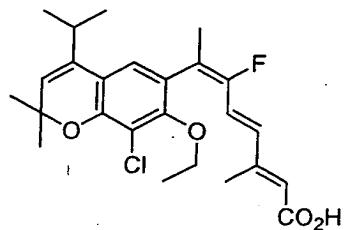
**62.** A process in accordance with Claim 58 where the compound used in the process is in accordance with the formula



wherein R is alkyl of 1 to 8 carbons, and

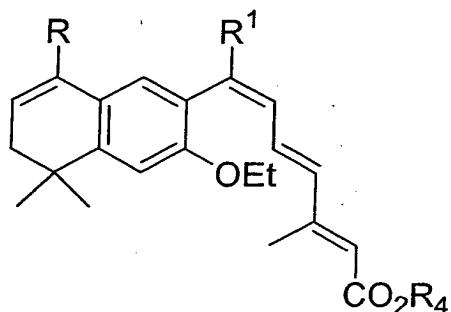
R<sup>1</sup> is alkyl of 1 to 8 carbons or a pharmaceutically acceptable salt of said compound.

**63.** A process in accordance with Claim 59 where the compound used in the process has the formula



or a pharmaceutically acceptable salt of said compound.

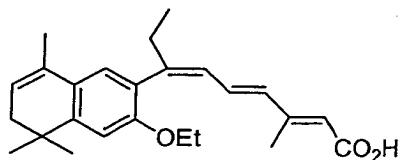
**64.** A process in accordance with Claim 58 where the compound used in the process is in accordance with the formula



wherein **R** is alkyl of 1 to 8 carbons, and

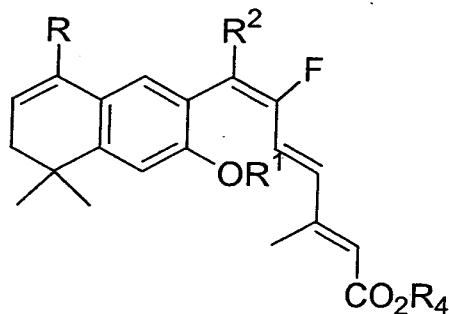
**R**<sup>1</sup> is alkyl of 1 to 8 carbons, or a pharmaceutically acceptable salt of said compound.

**65.** A process in accordance with Claim 64 where the compound used in the process has the formula



or a pharmaceutically acceptable salt of said compound.

**66.** A process in accordance with Claim 58 where the compound used in the process is in accordance with the formula

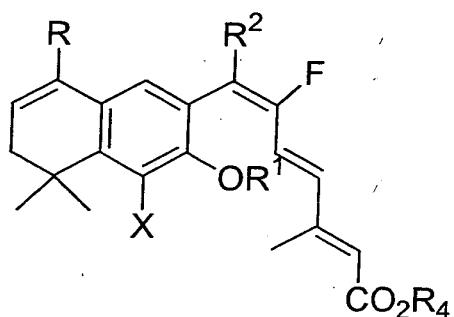


wherein **R** is H, or alkyl of 1 to 8 carbons;

**R**<sup>1</sup> is alkyl of 1 to 8 carbons, and

**R**<sup>2</sup> is alkyl of 1 to 8 carbons or a pharmaceutically acceptable salt of said compound.

**67.** A process in accordance with Claim 58 where the compound used in the process is in accordance with the formula



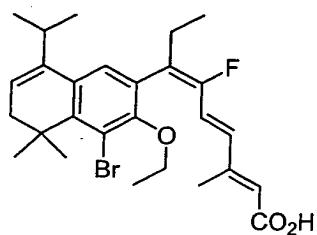
wherein **R** represents alkyl of 1 to 8 carbons;

**R**<sup>1</sup> is alkyl of 1 to 8 carbons;

**R**<sup>2</sup> is alkyl of 1 to 8 carbons, and

**X** is halogen or a pharmaceutically acceptable salt of said compound.

**68.** A process in accordance with Claim 67 where the compound used in the process has the formula



or a pharmaceutically acceptable salt of said compound.